### **ILLINOIS COMMERCE COMMISSION**

#### February 17, 2006

City of Carlinville, Illinois, Petitioner,

٧.

Union Pacific Railroad (UP) and the State of Illinois, Department of Transportation (IDOT), Respondents.

T06-0005

Petition to 1) interconnect traffic signals to be installed at the intersection of Illinois Route 108 and Shipman Blacktop Road and at the intersection of Illinois Route 108 and Chiles Street with the railroad warning devices at the Illinois Route 108 at-grade crossing of the UP double mainline tracks in the City of Carlinville; 2) establish the amount of minimum preemption time for the traffic signal preemption sequence at said intersections.

Ms. Cynthia L. Elias Elias, Meginnes, Riffle & Seghetti, P.C. 416 Main Street, Suite 1400 Peoria, IL 61602

Dear Ms. Elias:

Receipt is acknowledged of the original and four (4) copies of the Petition filed February 17, 2006 in the above matter.

All future correspondence/pleadings should be filed with an original and two (2) copies and addressed to: Mr. Dave Lazarides, Acting Director of Processing, Illinois Commerce Commission, 527 East Capitol Avenue, Springfield, IL 62701 or you may file the original electronically through E-docket if you have an account. To apply for an account, please log on to <a href="https://www.icc.state.il.us">www.icc.state.il.us</a> and apply for an E-docket account.

Processing and Information Section

ΚI

Cc:

Mr. Milton R. Sees, IDOT

Ms. Ellen Schanzle-Haskins, IDOT

Mr. Mack Shumate, Jr., UP

CT Corporation System, UP

Mr. Dave McKernan, UP

Mr. Brad Demuzio, City of Carlinville, Mayor Ms. Judy Decker, City of Carlinville, Clerk

527 East Capitol Avenue, Springfield, Illinois 62701 [TDD ("v/TTY") [217] 782-7434]

# STATE OF ILLINOIS ILLINOIS COMMERCE COMMISSION



CITY OF CARLINVILLE, ILLINOIS,	Illinois Commerce Commission  PAIL SAFETY SECTION
Petitioner,	
v.	)
UNION PACIFIC RAILROAD (UP) and the STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION (IDOT),	Docket No. 706-0005
Respondents.	)
Petition to 1) interconnect traffic signals to be installed at the intersection of Illinois Route 108 and Shipman Blacktop Road and at the intersection of Illinois Route 108 and Chiles Street with the railroad warning devices at the Illinois Route108 at-grade crossing of the UP double mainline tracks in the City of Carlinville; 2) establish the amount of minimum	) ) ) ) ) ) ) ) ) ) ) ) )
preemption time for the traffic signal preemption sequence at said intersections.	)
*	•

### **PETITION**

Petitioner, City of Carlinville, Illinois, through its attorneys Elias, Meginnes, Riffle & Seghetti, P.C., files this Petition and in support thereof states as follows:

- 1. The City of Carlinville, Illinois ("City") is a municipal corporation with its principal offices located at 550 N. Broad Street, Carlinville, Illinois 62626.
- 2. The Union Pacific Railroad Co. ("UP") is a rail carrier operating its lines of railroad, including the double mainline tracks passing through the City of Carlinville, Illinois, (the "UP Railroad Tracks") in the State of Illinois.
- 3. The UP has offices located at 101 N. Wacker Drive, Suite 1920, Chicago, Illinois 60606.
- 4. Illinois Route 108 is a state highway located within the City of Carlinville under the jurisdiction of IDOT.

DOCKETED

- 5. Illinois Route 108 crosses the UP Railroad Tracks at grade. Such crossing is identified as DOT 294 388A, MP 223.80.
- 6. Approximately 75 feet west of said crossing, Chiles Street intersects with Illinois Route 108 from the north. Chiles Street is a public street under the jurisdiction of the City.
- 7. Approximately 45 feet east of said crossing, Shipman Blacktop Road intersects with Illinois Route 108 from the south. Shipman Blacktop Road is a public street under the jurisdiction of the City.
- 8. There is a shopping center being developed on the east side of Shipman Blacktop Road approximately 4,000 feet south of the intersection.
- 9. In the interest of improving traffic flow and public safety, the City, through a private developer (the developer of the shopping center), proposes to modify the current access at the intersection of Shipman Blacktop Road and Illinois Route 108 to add left turn lanes, improve turning radii, and add traffic signals. Enclosed with this Petition and being filed concurrently is an "Intersection Design Study" of FAP Route 765 (Illinois Route 108) with FAS Route 735 (Shipman Blacktop), which was prepared by Crawford, Bunte, Brammeier. This document is identified as Exhibit 1.
- 10. In the interest of public safety, the City, through a private developer, in connection with the modification of the intersection of Shipman Blacktop Road and Illinois Route 108 proposes to replace the existing stop signs controlling traffic at the Shipman Blacktop Road and Illinois Route 108 intersection with traffic signals. Attached to this Petition and being filed concurrently is a document entitled Traffic Study for Proposed Wal-Mart Supercenter Store #0334-03, which was prepared by Crawford, Murphy, and Tilly, Inc. This document is identified as Exhibit 2.
- 11. The proposed traffic signals which will govern the flow of traffic along Illinois Route 108 and to and from Shipman Blacktop Road will be under the jurisdiction of both IDOT and the City.
- 12. In the further interest of public safety, the City, through the same private developer, proposes to replace the existing stop signs controlling traffic at the Chiles Street and Illinois Route 108 intersection with traffic signals. Enclosed with this Petition and being filed concurrently is an "Intersection Design Study" of FAP Route 765 (Illinois Route 108 with Chiles Street), which was prepared by Crawford, Bunte, Brammeier. This document is identified as Exhibit 3.

- 13. The proposed traffic signals which will govern the flow of traffic along Illinois Route 108 to and from Chiles Street will be under the jurisdiction of IDOT and the City.
- 14. The Illinois Route 108 at-grade crossing of the UP Railroad Tracks is protected by automatic lights and gates.
- 15. In order to promote public safety, the operation of the automatic flashing lights and gates at the Illinois Route 108 at-grade crossing of the UP Railroad Tracks need to be interconnected and coordinated with the operation of the proposed traffic signal system at the Illinois Route 108 and Chiles Street intersection and with the operation of the proposed traffic signal system at the Illinois Route 108 and Shipman Blacktop Road intersection.
- 16. Further, the minimum simultaneous preemption (railroad warning) time for the proposed traffic signal preemption sequence at the Illinois Route 108 atgrade crossing of the UP Railroad Tracks should be 30.2 seconds based on the proposed traffic signal timing sequence delineated in the attached "Warning Time Study" marked Exhibit 4, which was prepared by Crawford, Bunte, Brammeier.
- 17. The Illinois Commerce Commission has jurisdiction to approve and order the requested changes pursuant to the Illinois Commercial Transportation Law (625 ILCS 5/18C-7401) and the Illinois Administrative Code (92 Ill.Adm.Code 1535 et seq.).

NOW, THEREFORE, Petitioner, the City of Carlinville, Illinois, requests that the Illinois Commerce Commission order, in accordance with its authority, the following:

- 1. That a hearing be held at the Commission's offices in Springfield, Illinois, as soon as possible or within 70 days of this filing;
- 2. That a notice be issued directing the UP to submit detailed estimates of cost, timeframe, and general layout plans for the proposed project at least 10 days prior to the scheduled hearing;
- 3. That the operation of the automatic flashing lights at the Illinois Route 108 atgrade crossing be interconnected with the operation of the traffic signals to be installed at the intersection of Illinois Route 108 and Chiles Street and with the operation of the traffic signals to be installed at the intersection of Illinois Route 108 and Shipman Blacktop Road;
- 4. That the UP provide a minimum simultaneous preemption time of 30.2 seconds at the Illinois Route 108 at-grade crossing for its traffic signal preemption sequence in connection with the operation of the traffic signals to be installed at the

intersection of Illinois Route 108 and Chiles Street and at the intersection of Illinois Route 108 and Shipman Blacktop Road;

5. That the costs associated with these requested changes are the responsibility of the City of Carlinville, Illinois; provided, however, the payment for these changes may be made by others pursuant to the City's agreements with others.

Respectfully submitted, City of Carlinville, Illinois

Date: February 13,2006

One of Its Attorneys

Cynthia L. Elias Elias, Meginnes, Riffle & Seghetti, P.C. 416 Main Street, Suite 1400

Peoria, IL 61602

Tel: (309) 637-6000 Fax: (309) 637-8514

### **VERIFICATION**

STATE OF ILLINOIS	)
	) ss
COUNTY OF MACOUPIN	)

I, Bob Schwab, being first duly sworn, depose and state that I am Mayor of the City of Carlinville, Illinois, Petitioner in this matter; that I have read the foregoing verified Petition; that I know the contents thereof; and that said Petition is true and correct to the best of my knowledge, information, and belief.

**BOB SCHWAB** 

Mayor

CITY OF CARLINVILLE

Petitioner

SUBSCRIBED AND SWORN TO

before me this M day of

OFFICIAL SEAL **VICKI HEBRON** 

NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 4-20-2008

**Notary Public** 

Cynthia L. Elias

Elias, Meginnes, Riffle & Seghetti, P.C.

416 Main Street, Suite 1400

Peoria, IL 61602

(309) 637-6000 Tel:

Fax: (309) 637-8514

#### CERTIFICATE OF SERVICE

The undersigned hereby certifies pursuant to Section 1-109 of the Illinois Code of Civil Procedure that a copy of the foregoing instrument was served upon the addressees listed below by mailing a true and correct copy via first class mail, postage pre-paid and depositing the same in the United States Mail, Peoria, Illinois, before 5:00 p.m. on this 13th day of February, 2006.

Mr. Mack Shumate Union Pacific Railroad 101 North Wacker Drive, Room 1920 Chicago, Illinois 60606 Document Processing C T Corporation Systems Union Pacific Railroad 208 S. LaSalle Street Chicago, Illinois 60604

Mr. Milton Sees
Director of Highways
Illinois Department of Transportation
Attn: Jeff Harpring
2300 S. Dirksen Parkway
Springfield, Illinois 62764

Cynthia L. Elias

Cynthia L. Elias Elias, Meginnes, Riffle & Seghetti, P.C. 416 Main Street, Suite 1400 Peoria, IL 61602

Tel: (309) 637-6000 Fax: (309) 637-8514

# STATE OF ILLINOIS ILLINOIS COMMERCE COMMISSION

CITY OF CARLINVILLE, ILLINOIS,	)	
Petitioner,	)	
v.	)	
UNION PACIFIC RAILROAD (UP) and the STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION (IDOT),	)	Docket No.
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at the Illinois Route 108 at-grade crossing of the UP double mainline tracks in the City of	)	
Carlinville; 2) establish the amount of minimum preemption time for the traffic signal preemption	)	
sequence at said intersections.	)	

### **NOTICE OF FILING**

TO: Mr. Mack Shumate, Union Pacific Railroad

Mr. Milton Sees, Illinois Department of Transportation

PLEASE TAKE NOTICE that I have this 13th day of February, 2006, forwarded to Mr. David Lazarides, Director of Processing, Transportation Division, of the Illinois Commerce Commission, Springfield, Illinois, for filing in the above matter, a Petition, a copy of which is attached hereto and hereby served upon you.

Cynthia L. Elias

Attorney for the City of Carlinville, Illinois

Cynthia L. Elias Elias, Meginnes, Riffle & Seghetti, P.C. 416 Main Street, Suite 1400 Peoria, IL 61602

Tel: (309) 637-6000 Fax: (309) 637-8514

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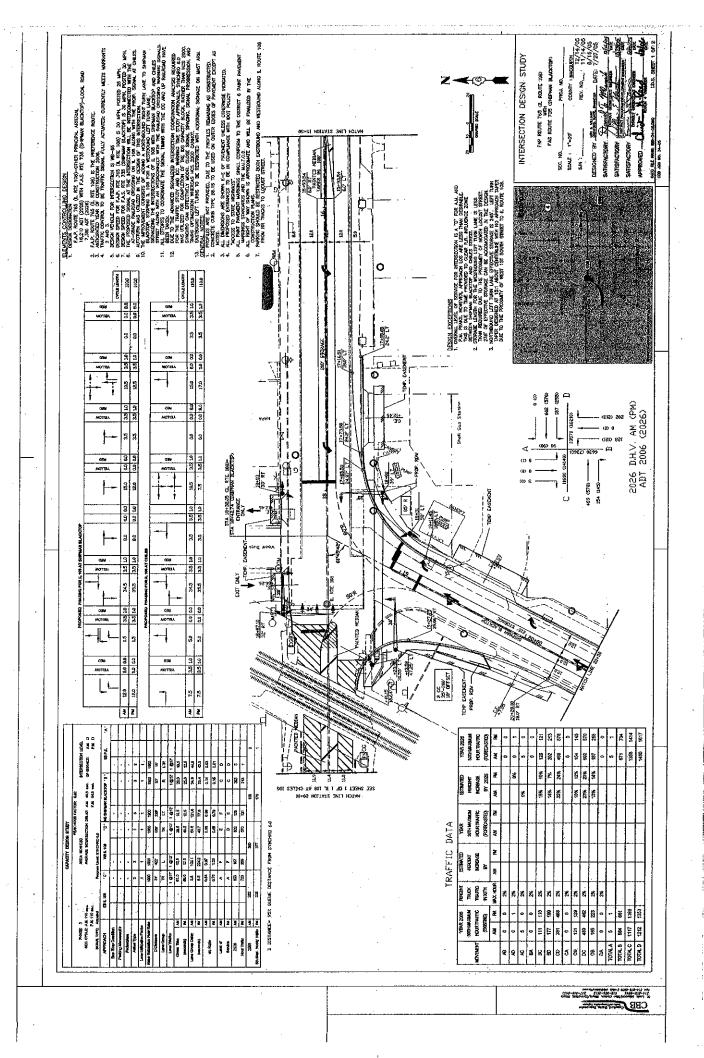
Mr. Milton Sees Director of Highways Illinois Department of Transportation Attn: Jeff Harpring 2300 S. Dirksen Parkway Springfield, Illinois 62764

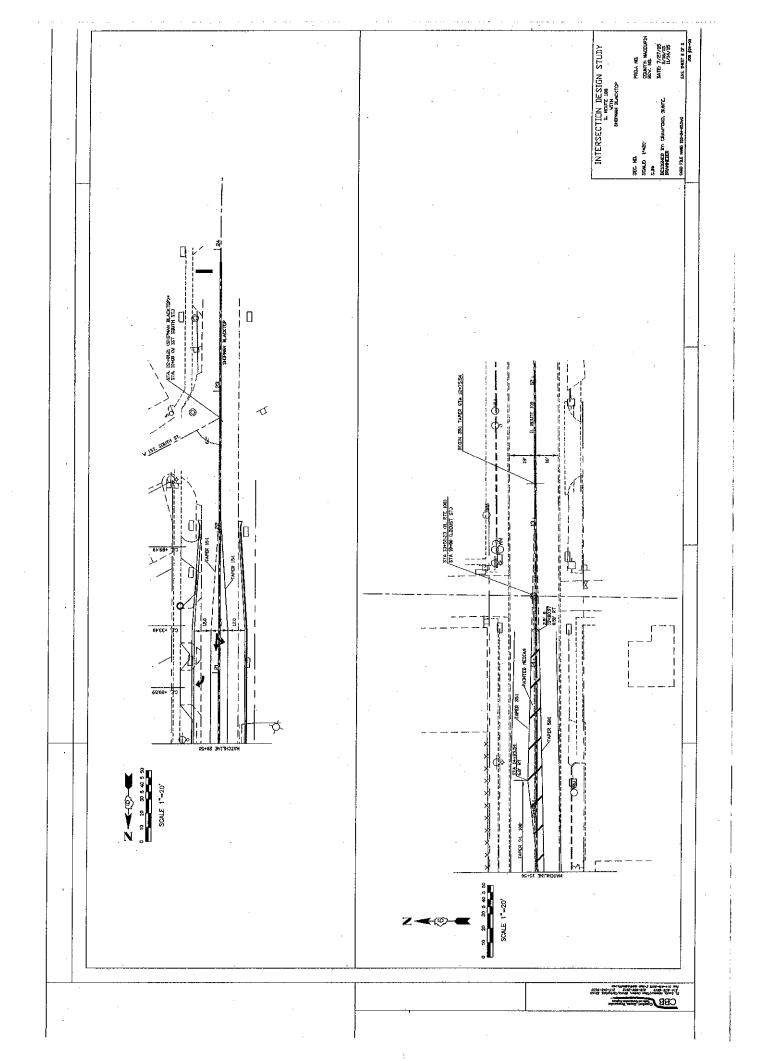
Cynthia L. Elias

Cynthia L. Elias Elias, Meginnes, Riffle & Seghetti, P.C. 416 Main Street, Suite 1400 Peoria, IL 61602

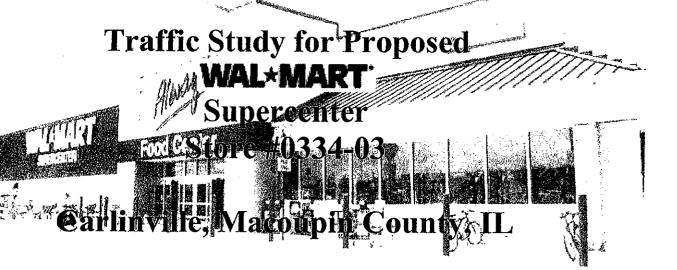
Tel: (309) 637-6000 Fax: (309) 637-8514

## EXHIBIT 1





## **EXHIBIT 2**



Prepared by:



Crawford, Murphy and Tilly, Inc. 401 SW. Water St., Suite 209 Peoria, IL 61602

**July 2005** 

### Executive Summary

The purpose of this report is to determine the traffic impacts of a proposed Wal-Mart Supercenter located in Carlinville, IL. The procedure included herein is as follows:

- Estimate trips generated by Wal-Mart and related development using data from the *ITE Trip Generation Manual* in addition to studies performed using existing store trip generation characteristics.
- Directionally distribute traffic based on existing or anticipated traffic conditions.
- Assign trips to the existing and proposed road network.
- Prepare a capacity and level of service analysis on selected intersections for build and no-build scenarios.

From this analysis, various conclusions can be drawn about the construction of a Wal-Mart Supercenter in Carlinville, IL. These conclusions can be summarized as follows:

- Illinois Route 108 & Shipman Blacktop This existing three-legged stop controlled intersection will experience a moderate increase in traffic due to the proposed Wal-Mart Supercenter. Traffic Signal Warrants #2 and #3 are currently met. Without the Wal-Mart development, during the AM and PM Peak Hours, this intersection will operate at LOS F in both 2006 and 2026 without signalization. With the Wal-Mart development and signalization, the LOS in the AM Peak Hour is expected to be B in 2006 and 2026. In the PM Peak Hour, the LOS with the Wal-Mart development and signalization is expected to be B in 2006 and 2026.
- Illinois Route 108 & Chiles Street This existing four-legged stop controlled intersection will experience a minor increase in traffic due to the proposed Wal-Mart Supercenter. Traffic Signal Warrants #2 and #3 are currently met. Without the Wal-Mart development, during the AM and PM Peak Hours, this intersection will operate at LOS D in 2006 and LOS F in 2026 without signalization. With the Wal-Mart development and signalization, the LOS is expected to be A in 2006 and 2026 during the AM Peak Hour. In the PM Peak Hour, the LOS with the Wal-Mart development and signalization is expected to be B in 2006 and 2026.
- Shipman Blacktop & Loveless Parkway This existing three-legged stop-controlled intersection will experience a significant increase in the amount of traffic due to the proposed Wal-Mart Supercenter. Traffic signal Warrant #2 is expected to be met in 2006 and 2026 while Warrant #3 is expected to be met in 2026. Therefore, it is recommended that this intersection be signalized. Without Wal-Mart and as a stop-controlled intersection, the AM Peak Hour LOS is B in 2006 and 2026, while the PM LOS is also B in 2006 and 2026. With development, signalization, and the proposed improvements, LOS A is expected in the 2006 and 2026 AM and PM Peak Hours.

- Loveless Parkway and the West Entrance No signal warrants are met at this location in 2006 or 2026 and therefore will be stop controlled on the northbound and southbound approaches. In the AM and PM Peak Hours, LOS A is anticipated on the northbound approach in 2006 and 2026.
- Loveless Parkway and the East Entrance No signal warrants are met at this location in 2006 or 2026 and therefore will be stop controlled on the East Entrance leg. In the AM and PM Peak Hours, LOS A is anticipated on the northbound approach of this proposed three legged intersection in both 2006 and 2026.

Key improvements are recommended and are summarized as follows:

• The intersection of Illinois Route 108 and Shipman Blacktop is currently unsignalized and has severe capacity deficiencies. In order to signalize the intersection, the west entrance of the business located on the north side of the intersection should be converted to an exit only driveway and serve as the north leg of the intersection, while the east entrance of this business will be converted to an entrance only driveway. The northbound approach needs to be widened to provide an exclusive right turn lane and a shared thru/left turn lane. The existing westbound approach should be restriped as an exclusive left turn lane and a shared thru/right turn lane. The proposed traffic signals should be interconnected to the existing railroad warning system to ensure that queued vehicles can clear the railroad tracks when necessary. Any other improvements found to be required at this intersection will be addressed further in the Intersection Design Study.

In conjunction with the signalization of Illinois Route 108 and Shipman Blacktop, the intersection of Illinois Route 108 and Chiles Street should also be signalized. These signals will be interconnected with the railroad warning system and the signals at Shipman Blacktop.

- The intersection of Shipman Blacktop & Loveless Parkway should be signalized to better accommodate the projected traffic upon site buildout and bicycle and pedestrian traffic on the existing bike path. In addition to signalization, Shipman Blacktop should be widened to accommodate the addition of a southbound left turn lane and a northbound right turn lane. Loveless Parkway should also be widened so that the westbound approach provides exclusive left turn and right turn lanes.
- At the intersection of Loveless Parkway and the West Wal-Mart Entrance, an eastbound right turn lane is recommended so as to make it easier for northbound left turns to differentiate between vehicles turning right into the entrance and thru vehicles continuing through the intersection. Otherwise, uncertainty about which vehicles present conflicts and those that don't will lead to delay and safety issues. Also, a pedestrian crosswalk should be painted across the east leg to accommodate pedestrians accessing the site from the senior housing development

on the north side of Loveless Parkway. Signs instructing motorists to stop for pedestrians should be installed and necessary sidewalks constructed as part of this improvement.

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## Appendix C

## Level of Service Analysis Without Wal-Mart

Analysis Year	Intersection	Traffic Control	Page #
2006 AM	IL Route 108 & Shipman Blacktop	Stop Sign	C-1
2006 PM	IL Route 108 & Shipman Blacktop	Stop Sign	C-2
2026 AM	IL Route 108 & Shipman Blacktop	Stop Sign	C-3
2026 PM	IL Route 108 & Shipman Blacktop	Stop Sign	C-4
2006 AM	IL Route 108 & Chiles Street	Stop Sign	C-5
2006 PM	IL Route 108 & Chiles Street	Stop Sign	C-6
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2026 PM	IL Route 108 & Chiles Street	Stop Sign	C-8
2006 AM	Shipman Blacktop & Loveless Pkwy.	Stop Sign	C-9
2006 PM	Shipman Blacktop & Loveless Pkwy.	Stop Sign	C-10
2026 AM	Shipman Blacktop & Loveless Pkwy.	Stop Sign	C-11
2026 PM	Shipman Blacktop & Loveless Pkwy.	Stop Sign	C-12

### Appendix D

## Level of Service Analysis With Wal-Mart

Analysis Year	Intersection	Traffic Control	Page #
2006 AM	IL Route 108 & Shipman Blacktop	Signal Lights	D-1
2006 PM	IL Route 108 & Shipman Blacktop	Signal Lights	D-2
2026 AM	IL Route 108 & Shipman Blacktop	Signal Lights	D-3
2026 PM	IL Route 108 & Shipman Blacktop	Signal Lights	D-4
2006 AM	IL Route 108 & Chiles Street	Signal Lights	D-5
2006 PM	IL Route 108 & Chiles Street	Signal Lights	D-6
2026 AM	IL Route 108 & Chiles Street	Signal Lights	D-7
2026 PM	IL Route 108 & Chiles Street	Signal Lights	D-8
2006 AM	Shipman Blacktop & Loveless Pkwy.	Signal Lights	D-9
2006 PM	Shipman Blacktop & Loveless Pkwy.	Signal Lights	D-10
2026 AM	Shipman Blacktop & Loveless Pkwy.	Signal Lights	D-11
2026 PM	Shipman Blacktop & Loveless Pkwy.	Signal Lights	
2006 AM	Loveless Pkwy. & West Entrance	Stop Sign	
2006 PM	Loveless Pkwy. & West Entrance	Stop Sign	
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2006 PM	Loveless Pkwy. & East Entrance	Stop Sign	
2026 AM	Loveless Pkwy. & East Entrance	Stop Sign	
2026 PM	Loveless Pkwy. & East Entrance	Stop Sign	D-20